Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

Somerset County, Maine, Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AaB: Adams loamy sand, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
AaC: Adams loamy sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
AaD: Adams loamy sand, 15 to 25 percent slopes	Adams	No	---	---	---	---	---
BaB: Bangor silt loam, 3 to 8 percent slopes	Bangor	No	---	---	---	---	---
BaC2: Bangor silt loam, 8 to 15 percent slopes, eroded	Bangor	No	---	---	---	---	---
BgB: Bangor very stony silt loam, 3 to 8 percent slopes	Bangor	No	---	---	---	---	---
BgC: Bangor very stony silt loam, 8 to 15 percent slopes	Bangor	No	---	---	---	---	---
BgD: Bangor very stony silt loam, 15 to 25 percent	Bangor	No	---	---	---	---	---
BhB: Berkshire loam, 0 to 8 percent slopes	Berkshire	No	---	---	---	---	---
BhC: Berkshire loam, 8 to 15 percent slopes	Berkshire	No	---	---	---	---	---
BkB: Berkshire very stony loam, 0 to 8 percent slopes	Berkshire	No	---	---	---	---	---
BkC: Berkshire very stony loam, 8 to 20 percent slopes	Berkshire	No	---	---	---	---	---
BkE: Berkshire very stony loam, 20 to 45 percent slopes	Berkshire	No	---	---	---	---	---
Bo: Biddeford silt loam	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes
BuB: Buxton silt loam, 0 to 8 percent slopes	Buxton	No	---	---	---	---	---

Hydric Soils List - Continued

Somerset County, Maine, Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
BuC2: Buxton silt loam, 8 to 15 percent slopes, eroded	Buxton	No	---	---	---	---	---
CnC: Colton gravelly sandy loam, dark materials, 8 to 15 per cent slopes	Colton	No	---	---	---	---	---
CnD: Colton gravelly sandy loam, dark materials, 15 to 25 pe rcent slopes	Colton	No	---	---	---	---	---
CnE: Colton gravelly sandy loam, dark materials, 25 to 45 pe rcent slopes	Colton	No	---	---	---	---	---
DxB: Dixmont silt loam, 0 to 8 percent slopes	Dixmont	No	---	---	---	---	---
DxC: Dixmont silt loam, 8 to 15 percent slopes	Dixmont	No	---	---	---	---	---
DyB: Dixmont very stony silt loam, 0 to 8 percent slopes	Dixmont	No	---	---	---	---	---
DyC: Dixmont very stony silt loam, 8 to 20 percent slopes	Dixmont	No	---	---	---	---	---
Dz: Dune land	Dune Land	No	---	---	---	---	---
Ha: Hadley silt loam	Hadley	No	---	---	---	---	---
Lc: Leicester very stony loam	Leicester	Yes	Ground Moraine	2B3	Yes	No	No
Lk: Limerick silt loam	Limerick	Yes	Ground Moraine	2B3	Yes	No	No
LyB: Lyman loam, 0 to 8 percent slopes	Lyman	No	---	---	---	---	---
LyC: Lyman loam, 8 to 15 percent slopes	Lyman	No	---	---	---	---	---
LzC: Lyman very rocky, 0 to 15 percent slopes	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

Somerset County, Maine, Southern Part

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
LzE: Lyman very rocky loam, 15 to 45 percent slopes	Lyman	No	---	---	---	---	---
MbB: Madawaska fine sandy loam, 0 to 8 percent slopes	Madawaska	No	---	---	---	---	---
MeB: Melrose fine sandy loam, 3 to 8 percent slopes	Melrose	No	---	---	---	---	---
Mn: Mixed alluvial land	Mixed Alluvial	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
Mo: Monarda silt loam	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
Mr: Monarda very stony silt	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
Pa: Peat and muck	Peat	Yes	Flood Plain	1,3	No	No	Yes
	Muck	Yes	Flood Plain	1,3	No	No	Yes
PcB: Peru loam, 0 to 8 percent slopes	Peru	No	---	---	---	---	---
PdB: Peru very stony loam, 0 to 8 percent slopes	Peru	No	---	---	---	---	---
PdC: Peru very stony loam, 8 to 15 percent slopes	Peru	No	---	---	---	---	---
PgB: Plaisted gravelly loam, 3 to 8 percent slopes	Plaisted	No	---	---	---	---	---
PgC: Plaisted gravelly loam, 8 to 15 percent slopes	Plaisted	No	---	---	---	---	---
PrB: Plaisted very stony loam, 3 to 8 percent slopes	Plaisted	No	---	---	---	---	---
PrC: Plaisted very stony loam, 8 to 15 percent slopes	Plaisted	No	---	---	---	---	---
PrD: Plaisted very stony loam, 15 to 25 percent slopes	Plaisted	No	---	---	---	---	---

Hydric Soils List - Continued

Somerset County, Maine, Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
RtC: Rock land, thorndike and lyman materials, 0 to 15 perce nt slopes	Rock Land	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
RtE: Rock land, thorndike and lyman materials, 15 to 45 perc ent slopes	Rock Land	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Sc: Scantic silt loam	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
Sk: Skowhegan loamy fine sand	Skowhegan	No	---	---	---	---	---
StB: Stetson fine sandy loam, 0 to 8 percent slopes	Stetson	No	---	---	---	---	---
SuC2: Suffield silt loam, 8 to 15 percent slopes, eroded	Suffield	No	---	---	---	---	---
SuD2: Suffield silt loam, 15 to 25 percent slopes, eroded	Suffield	No	---	---	---	---	---
TkC: Thorndike very rocky silt loam, 3 to 15 percent slopes	Thorndike	No	---	---	---	---	---
TkD: Thorndike very rocky silt loam, 15 to 30 percent	Thorndike	No	---	---	---	---	---
TpB: Thorndike-plaisted loams, 0 to 8 percent slopes	Thorndike	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
TpC: Thorndike-plaisted loams, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
TpD: Thorndike-plaisted loams, 15 to 30 percent slopes	Thorndike	No	---	---	---	---	---

Hydric Soils List - Continued

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
TpD: Thorndike-plaisted loams, 15 to 30 percent slopes	Plaisted	No	---	---	---	---	---
TtB: Thorndike-bangor silt loams, 0 to 8 percent slopes	Thorndike	No	---	---	---	---	---
	Bangor	No	---	---	---	---	---
TtC: Thorndike-bangor silt loams, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
	Bangor	No	---	---	---	---	---
TtD: Thorndike-bangor silt loams, 15 to 30 percent slopes	Thorndike	No	---	---	---	---	---
	Bangor	No	---	---	---	---	---
Wa: Walpole fine sandy loam	Walpole	Yes	Outwash Plain	2B3	Yes	No	No
wat: Water bodies greater than 40 acres in size	Water Bodies Greater	Yes	Lake	---	---	---	---
Wn: Winooski silt loam	Winooski	No	---	---	---	---	---